## What is claimed is:

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1. Gas-insulated switchgear comprising: a grounding metal housing filled with insulating gas, and in which a disconnector part, a grounding switch part and a conductor connecting part are accommodated; and composite insulating shields integrally formed into one metal-dielectric member in which surface of a high electric field part located in the vicinity of ends of openings is coated with a dielectric in such a manner as to cover electrode parts of said disconnector part, said grounding switch part and said conductor connecting part with the dielectric;

wherein, to form said composite insulating shields of at least one of the disconnector part, the grounding switch part and the conductor connecting part, a metal shield of less than 0.6 in non-uniform constant before coating the shield with the dielectric is coated with a dielectric having a thickness of not more than approximately 30% of an inter-electrode distance from a facing electric-field relaxation shield or a charging part.

2. A gas-insulated switchgear comprising: a grounding metal housing filled with insulating gas, and in which a disconnector part having a moving side electrode part and a stationary side electrode part is accommodated; and composite insulating shields integrally formed into one metal-dielectric member in which surface of a high electric field part located in the vicinity of ends of openings is coated with a dielectric in such a manner as to cover said moving side electrode part with the dielectric;

wherein, to form said composite insulating shield, a metal shield of less than 0.6 in non-uniform constant before coating with the dielectric is coated with a dielectric having a thickness of not more than approximately 30% of an inter-electrode distance from an electric-field relaxation shield of said stationary side electrode

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3. A gas-insulated switchgear comprising: a grounding metal housing 1 filled with insulating gas, and in which a grounding switch part having amoving side electrode part and a stationary side electrode part is accommodated; and composite insulating shields integrally formed into one metal-dielectric member in which surface of a high electric field part located in the vicinity of ends of openings is coated with a dielectric in such a manner as to cover said moving side electrode part with the dielectric;

wherein, to form said composite insulating shields, a metal shield of less than 0.6 in non-uniform constant before coating with the dielectric is coated with a dielectric having a thickness of not more than approximately 30% of an inter-electrode distance from an electric-field relaxation shield of said stationary side electrode part.

- 4. The gas-insulated switchgear according to claim 2, wherein, to form the electric-field relaxation shield of said stationary side electrode part, a metal shield of less than 0.6 in non-uniform constant before coating with the dielectric is coated with a dielectric having a thickness of not more than approximately 30% of an inter-electrode distance from an electric-field relaxation shield of said moving side electrode part.
- 5. The gas-insulated switchgear according to claim 3, wherein, to form the electric-field relaxation shield of said stationary side electrode part, a metal shield of less than 0.6 in non-uniform constant before coating with the dielectric is coated with a dielectric having a thickness of not more than approximately 30% of an inter-electrode distance from an electric-field relaxation shield of said moving side electrode part.
- 6. The gas-insulated switchgear according to claim 2, wherein

surface of the high electric field part in the vicinity of the end of the opening of the electric-field relaxation shield of said stationary side electrode part is composed of a metal or is coated with a dielectric of not larger than 1 mm in thickness.

7. The gas-insulated switchgear according to claim 3, wherein surface of the high electric field part in the vicinity of the end of the opening of the electric-field relaxation shield of said stationary side electrode part is composed of a metal or is coated with a dielectric of not larger than 1 mm in thickness.

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- 8. The gas-insulated switchgear according to claims 1, wherein said dielectric coating is made of epoxy resin integrally formed with said electric-field relaxation shield by injection molding.
- 9. The gas-insulated switchgear according to claims 1, wherein said insulating gas is a simple substance of  $SF_6$ , dry air,  $N_2$ ,  $CO_2$ ,  $O_2$  or  $C-C_4F_8$ , or a mixture of at least two of said gases.